There is no substitute for understanding your equipment's specifications, instructions and capabilities.

Read the Mid-Tech/TeeJet Manual for Detailed Instructions

The TeeJet ARC 6000 User Guide is available online in pdf format at www.teejet.com
Products...Application Control and Equipment

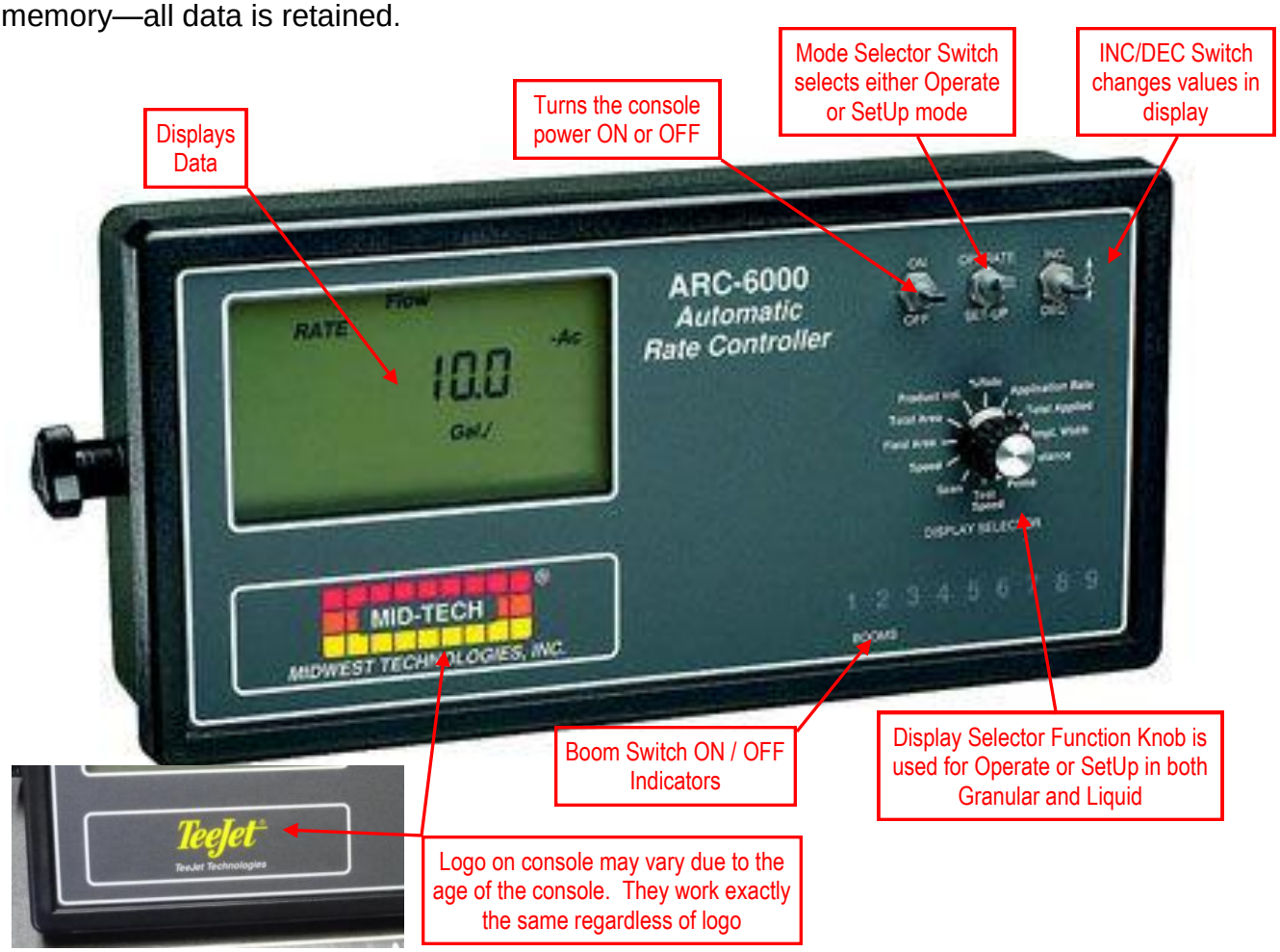
Important Warnings!

- Do NOT try to modify or lengthen any of the 3 Speed Sensor or Encoder cables. Please call Newton Crouch Inc. for extension cables

- ALWAYS disconnect battery from console prior to jump starting, welding, or charging battery.

Programming for your Mid-Tech ARC 6000 Console Granular

Console calibration is a one-time procedure that, once it has been performed, does not have to be repeated. Turning the POWER ON/OFF switch does not affect the console's memory—all data is retained.



The control console must be calibrated & programmed before it is ready to be used.

BE SURE THE CONSOLE IS SELECTED TO THE CORRECT APPLICATION PROGRAM

There are 5 choices total

Liquid	or	Dry
1.L PSI		4. C Stnrd
2.L Stnrd		5. C SPL
3.L rEFLO		

1. Liquid Pressure—normal pressure based spraying
2. Liquid Standard—normal flow based spraying
3. Liquid Reflow—used on some European sprayers
4. Granular Standard—single conveyor spreader
5. Granular Split Drive—dual conveyor spreader

Granular Setup

Mark the correct selection here and have this sheet with you as you program your console. It will make programming your console much easier. The most commonly used selections are indicated by ★

A **Prime:** _____ Step 1

This is your application type.

C Stnrd (single conveyor) ★

C SPL it (dual or split chain conveyor)

B **Distance:** _____ Step 2

This is a calibration number that must be checked.
The radar constant will vary with the type of radar.
Mid-Tech Compact Radar start at 780
DickeyJohn Radar start at 1000

C **Implement Width:** _____ Step 3

This is your swath in INCHES.
50 ft swath = 600 in
60 ft swath = 720 in ★
80 ft swath = 960 in

D **Total Applied:** _____ Step 4

This is your spreader constant from the chart
Have to know chain type & width plus encoder type
It must match the gate height.

E **Application Rate:** _____ Step 5

This is your product in lbs/cu ft.
If the product density is not correct,
the application rate will not be correct.
PD should be measured & entered with each load.

F **% Rate:** _____ Step 6

Change rate by 10% increments.
This is a personal choice.

G **Product Volume:** _____ Step 7

Enter as a constant In pounds
This is the total weight of product
in your hopper
12 ft body—14000 lb max capacity
10 ft body—12000 lb max capacity

Granular Setup

H **Total ARea:** ___**Err**___ Step 8
Err

I **Field Area:** _____ Step 9
You set this # to get an audible alarm
When you reach that level spreading.
Example: Can get an alarm every 1 acre ★
or 5 acres. This is a personal choice.

J **Speed:** ____0____ Step 10
Set GSO (Ground Speed Override)
to 0 (zero) on dry

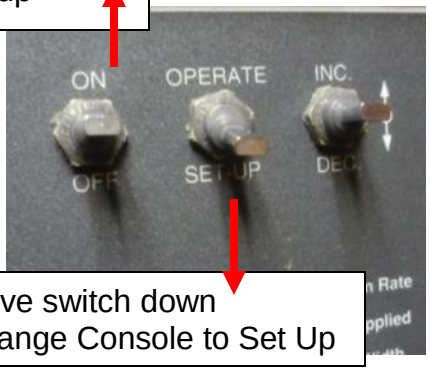
K **Scan:** ___**Err**___ Step 11
Err

L **Test Speed:** _____ Step 12
This is a personal choice.
7—10 ★ mph are common.
This number is for testing only

With these selections you are now ready to enter the data into your console.

Getting Started

Turn ARC console on
Move switch up



Move switch down
Change Console to Set Up

Granular Setup

Initial Programming ARC 6000

A Twist Display Selector to **Prime**

Using switch labeled INC. / DEC. Push switch up or down and hold. Don't worry if the selection does not change immediately. You may have to hold for 10 or more seconds before the next choice pops up. .Screen will scroll through selections:

Liquid

1.L PSI
2.L Stnrd
3.L rEFL0

Dry

4. C Stnrd
5. C SPL it

Important

Be sure you are in the correct mode!! These selections look *very similar!*

Look for the C!

Granular Setup

B Twist Display Selector to **Distance**

Using switch labeled INC. / DEC.
Push switch up or down . Number will increase or decrease accordingly.

This is a calibration number that must be checked. The radar constant will vary with the type of radar.

Mid-Tech Compact Radar start at 780
DickeyJohn Radar start at 1000

A minimum of 400 ft should be driven to calibrate this number.

C Twist Display Selector to **Implement Width**

The number one should light red.
This is your dry swath.
Numbers 2—9 should have a ZERO value.

Using switch labeled INC. / DEC.
Push switch up or down . Number will increase or decrease accordingly.

your swath is entered in INCHES.
50 ft swath = 600 in
60 ft swath = 720 in
80 ft swath = 960 in

Don't be confused!

When you are in the OPERATE mode, your **Implement Width** (swath) will be shown in FEET!

Granular Setup

D

Twist Display Selector to **Total Applied**

Using switch labeled INC. / DEC. Push switch up or down . Number will increase or decrease accordingly.

The spreader constant number must be checked. The gate height must match the constant chosen.

Using conveyor width & type plus encoder type NCI has a chart to obtain this number.

E

Twist Display Selector to **Application Rate**

This is your product density entered in lbs/cu ft.

Using switch labeled INC. / DEC. Push switch up or down . Number will increase or decrease accordingly.

Product density should be measured & entered with each load.

NCI sells a density scale (SM-DS-50895)that will give you the correct number for your load.

Incorrect product density will cause your application rate to be incorrect

F

Twist Display Selector to **% Rate**

This is the amount of deviation from your desired application rate that you allow. It changes in increments of 10.

Usually, it is not desirable to have your spread rate deviate substantially.

This setting allows for 110% I—the desired rate plus 10%

ALWAYS return to 100% in the Operate Mode or your entire job will be incorrect!!

Granular Setup

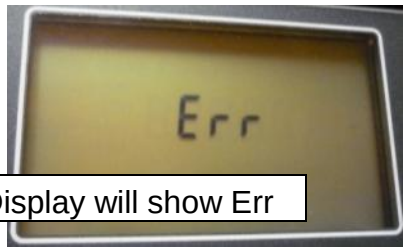
G Twist Display Selector to **Product Volume**

This is the amount of product in your hopper. It is entered as a constant in pounds.

NCI 10 ft body holds approximately 12000

NCI 12 ft body holds approximately 14000

H Twist Display Selector to **Total Area**



Display will show Err

This number is a cumulative total of all jobs you have spread since you last cleared the console. It will show Err in Set Up mode.

I Twist Display Selector to **Field Area**

This number is discretionary. It will cause the console to sound an audible and visible notification whenever that threshold is passed. It is usually 1 acre

1/2 acre

1 acre

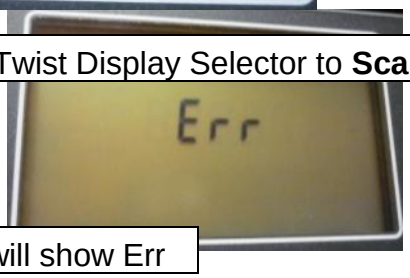
5 acres

Twist Display Selector to **Speed**

J

This is the Ground Speed Override. Set it to Zero

K Twist Display Selector to **Scan**



Display will show Err

This is a cycle through some of the major functions.

Twist Display Selector to **Test Speed**

L

This is commonly used for testing only, however, it can be used for stationary unloading.of the hopper.

Here is an abbreviated "Cheat Sheet" from NCI

ARC 6000 Granular Setup

SET UP

Under Set Up most displays blink.

PRIME	A. **C – Stnd**
DISTANCE	B. **Calibration Number** See Note (1) This must be checked
IMPLEMENT WIDTH	C. **Swath** in inches 50' = 600"; 60' = 720" Lock in position with conveyor interface master on (Number 1 lit with single switch is dry swath) *Must fill out all Slots 2—9 with a value "0"
TOTAL APPLIED	D. **Spreader Constant** must match gate height for unit GET OUT of the truck and check!
APPLICATION RATE	E. Must match **density** in LBS/CU FT
% RATE	F. 10% Change rate by increments of + or - 10%
PRODUCT VOLUME	G. LBS Enter as constant 12' Body = 14000 lb / 10' Body = 12000 lb
TOTAL AREA	H. ERR
FIELD AREA	I. "0" - Enter acre to hear audible alarm
SPEED	J. Set GSO to "0" on dry—ALWAYS
SCAN	K. ERR
TEST SPEED	L. 10 MPH Steady suggested for testing

NOTES
(1) Radar constant will vary with radar type: Mid-Tech Compact Radar - Start at 780 or DickeyJohn Radar - Start at 1000
(2) Check Valve Setting—Dry—Closed
(3) Enter by constant in setup. (G) To go to a higher number, must go down then back up.

OPERATE

Highlighted Items MUST be performed at the beginning of each job. All other fields are for information and should be reset at your discretion.

PRIME	1. BLANK
DISTANCE	2. FT. Covered After 5280 FT. Switch to MILE
IMPLEMENT WIDTH	3. Boom Switch Box OFF – 0 Boom Switch ON – Swath in FEET Must set Flow Control (LIQ) AUTO RANGE – HOLD See Note (2) (DRY) HYD. VALVE – CLOSED
TOTAL APPLIED	4. 0 to Start Total LBS/AC Applied—Spread
APPLICATION RATE	5. Desired **LBS/AC** will oscillate
% RATE	6. 100 ALWAYS, if other than 100 change Target Rate – LBS/AC
PRODUCT VOLUME	7. Enter full capacity from Constant in Set Up (GC). Weight to match material in unit. Then number shows how much material remains in unit. Beeps at 10% of entered weight. See Note (3)
TOTAL AREA	8. 0 to start May require special instruction **DO NOT ZERO OUT UNTIL END OF DAY or INTERVAL OF CHOICE**
FIELD AREA	9. 0 to start Change Finish Job
SPEED	10. MPH travel 0 is still
SCAN	11. Totals and setting of some selector functions
TEST SPEED	12. 10 MPH – Blinks during testing only